

- Manuals.plus /
- › LAUNCH /
 - › LAUNCH X431 V Pro 5.0 Elite Diagnostic Tool User Manual

LAUNCH V

LAUNCH X431 V Pro 5.0 Elite Diagnostic Tool User Manual

Model: V | Brand: LAUNCH

- Overview
- Setup
- Operation
- Maintenance
- Troubleshooting
- Specifications
- Warranty
- Support

1. PRODUCT OVERVIEW

The LAUNCH X431 V Pro 5.0 Elite is a professional automotive diagnostic tool designed for comprehensive vehicle system analysis. It offers advanced functionalities including OE-level full system diagnostics, ECU coding, bi-directional control, and over 37 reset services. This device is suitable for professional mechanics, auto repair shops, and advanced DIY users, providing extensive vehicle coverage and continuous software updates.

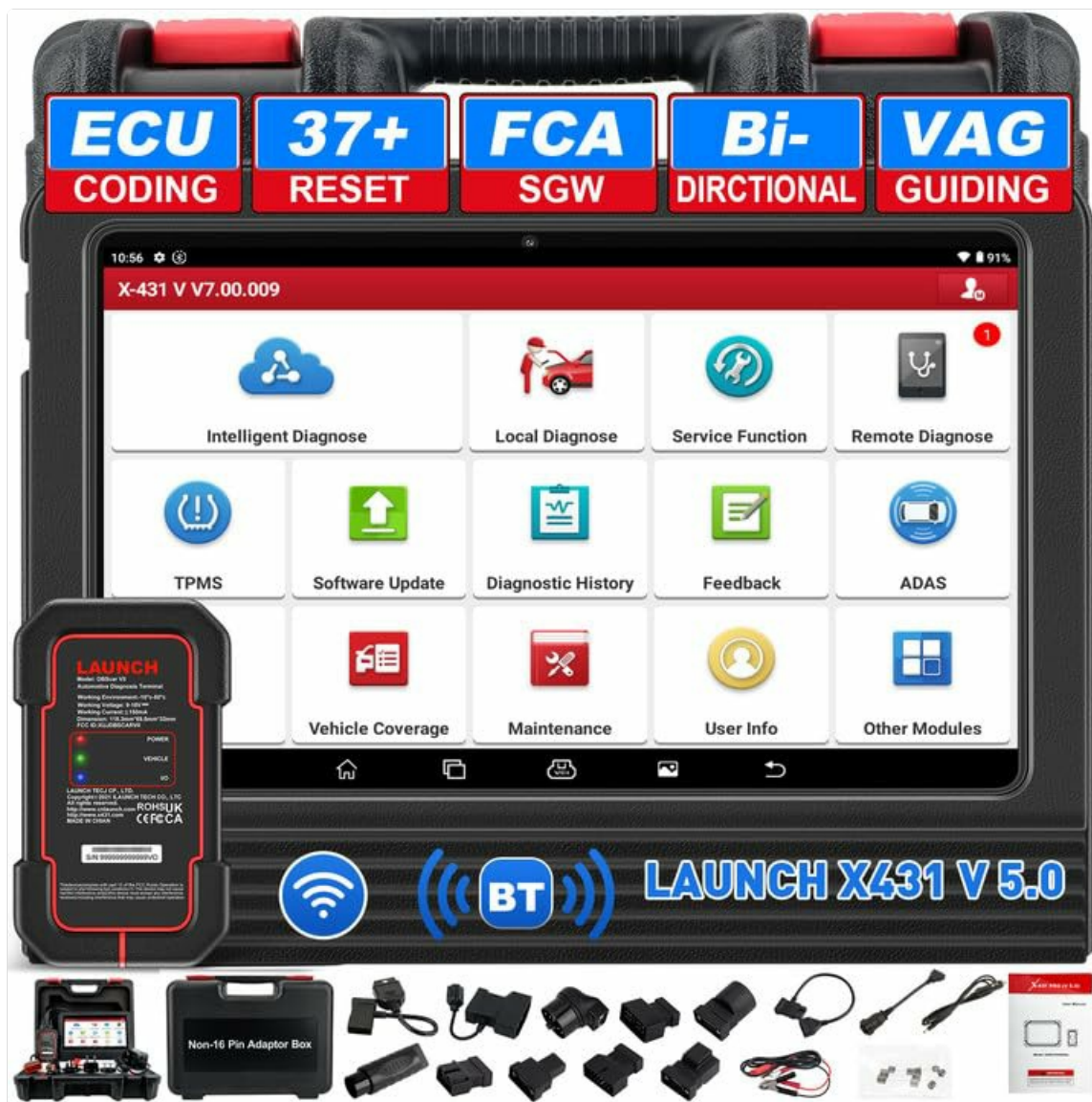


Image 1.1: The LAUNCH X431 V Pro 5.0 Elite diagnostic tablet.

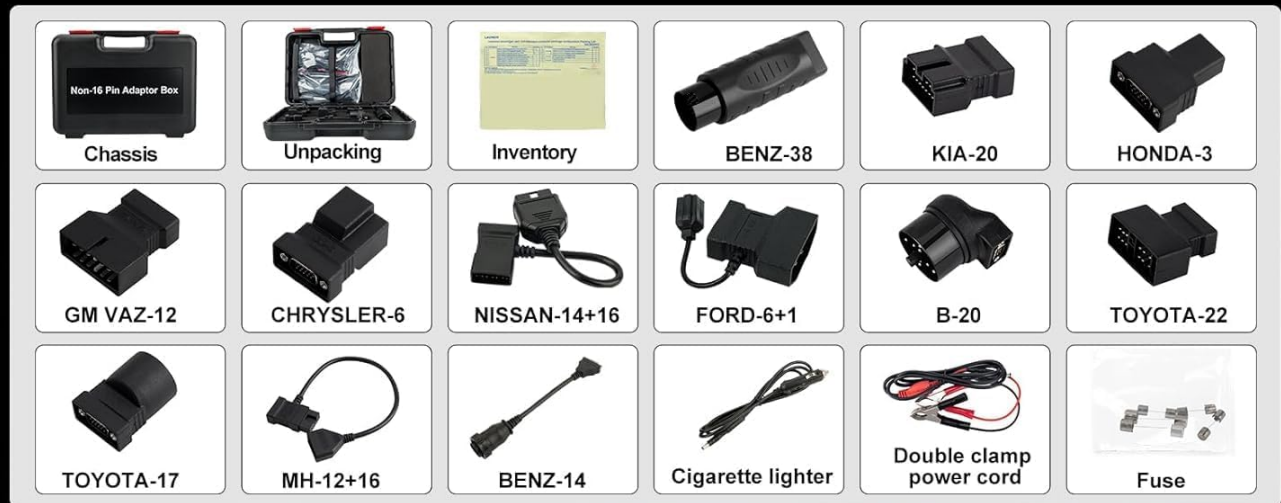
2. SETUP GUIDE

Follow these steps to set up your LAUNCH X431 V Pro 5.0 Elite diagnostic tool for first-time use.

1. **Unboxing and Inspection:** Carefully unpack all components. Verify that all items listed in the packing list are present and undamaged. The package includes the diagnostic tablet, various OBD adapters, power cables, and a carrying case.

FULL PACKING INCLUDED

LAUNCH X43IV PRO 5.0 Work for All OBDI & OBDII Globle Cars After 1996



MORE EXTENDED MODULES

Turn Your Business to Fast Lane



Image 2.1: Overview of the complete package contents, including the diagnostic tablet, various connectors, and accessories.

2. **Charging the Device:** Connect the diagnostic tablet to a power source using the provided charger. Ensure the device is fully charged before initial use. The battery capacity is 7.6V/6300mAh.
3. **Power On:** Press and hold the power button to turn on the tablet.
4. **Initial Software Setup:**
 - Follow the on-screen prompts to select your language and connect to a Wi-Fi network (supports 2.4GHz/5GHz).
 - Register your device and activate the software.
 - Perform a "One-Click WiFi Update" to ensure all diagnostic software and vehicle databases are up-to-date. This is crucial for optimal performance and compatibility.



Image 2.2: The device supports 2 years of free software updates via Wi-Fi, ensuring access to the latest vehicle data and functions.

5. Connecting to Vehicle:

- Locate the vehicle's OBD-II port (usually under the dashboard).
- Connect the DBSCar VII VCI (Vehicle Communication Interface) to the OBD-II port.
- The VCI communicates with the tablet via Bluetooth. Ensure Bluetooth is enabled on the tablet and the VCI is paired.
- Turn the vehicle's ignition to the ON position (engine off).

3. OPERATING INSTRUCTIONS

This section details the primary functions and how to use them.

3.1. Full System Diagnostics

The X431 V Pro 5.0 Elite can perform OE-level diagnostics on all available vehicle systems (e.g., Engine, ABS, SRS, Transmission, TPMS, etc.).

1. From the main menu, select "Local Diagnose".
2. Choose "Auto Search" or manually select the vehicle make, model, and year. The "Auto VIN" feature can automatically identify vehicle information.



Image 3.1: The Auto VIN feature automatically detects vehicle identification numbers for quick and accurate diagnostics.

3. Select "Health Report" for a comprehensive scan of all systems or choose specific systems for diagnosis.
4. The tool will display Diagnostic Trouble Codes (DTCs), live data streams, and other relevant information.

IN-DEPTH ALL SYSTEM DIAGNOSIS

Automatic Identify Vehicle Information Quickly



Read
ECU info



Read &
Clear DTCs



Auto VIN
& Scan



12 in 1 Live
Data Stream



Retrieve
Freeze Frame

37+ SPECIAL FUNCTIONS

Compatible with 99% of Global Vehicles



D.P.F. Regeneration



Fuel Trim Reset



CKP Relearn



Camshaft Relearn



BMS



Injector Coding



Airbag Reset



SAS Reset



TPMS



Oil



Throttle



GEAR



A/C



AFS Reset



SUN ROOF



EGR Adaption



A/F



NOx Sensor



Seats Calibration

More...

Image 3.2: The diagnostic tool performing an in-depth all-system diagnosis, displaying various vehicle parameters and fault codes.

5. You can read and clear DTCs, view freeze frame data, and record/playback data streams.

"DEEP DIVE" INTO REAL-TIME DATA

12-IN-1 Live Data Graphing, Narrow Down Diagnostic Results

PRE & POST VEHICLE REPORT

All Systems Detailed & Professional Report, Can be Customized with shop contact info and vehicle info.

PRE-SCAN REPORT: To Help technicians identify the areas that require repair and develop an appropriate repair plan; To help to EXPEDITE insurance carrier approval of repair estimates.

POST-SCAN REPORT: To PROVE all DTCs on PRE-Scan report are fixed; DATED scan report to ensure vehicle is repaired and safe for customer.

Vehicle Diagnostic Report

The Report is created by **LAUNCH X431**

Repair Shop

Shop Name: 020
Address: 02 02 02
Zip Code: 220001
Telephone: 18817822200
Email: 598694794@qq.com
SN: 198770001015
Test Time: 2023-09-27 01:19:31

Vehicle Information

Year: 2023
Model: Ford
Model Year: 2023
Engine Size: 2.0L
Engine Code: 2.0L
Vehicle Software Version: V15.12
Diagnostic Application Version: V15.12

Data Stream

Parameter Name: Accelerator Pedal Position
Value: 0.78
Standard Range: 0-5
Unit: V

Parameter Name: Accelerator Pedal Position 2
Value: 20.78
Standard Range: 0-100
Unit: %

Parameter Name: Accelerator Pedal Position 2
Value: 0.4
Standard Range: 0-5
Unit: V

Parameter Name: Accelerator Pedal Position E
Value: 0
Standard Range: 0-100
Unit: %

Parameter Name: Barometric Pressure
Value: 99.5
Standard Range: 0-117.2
Unit: kPa

Parameter Name: Clutch Pedal Position
Value: 0
Standard Range: 0-100
Unit: %

Parameter Name: Clutch Pedal Switch
Value: No

Image 3.3: Real-time data graphing for 12-in-1 live data streams, aiding in precise diagnostic analysis.

3.2. ECU Coding (Online Coding)

ECU Coding allows you to re-flash control modules, customize vehicle settings, and unlock hidden features. This function requires an internet connection.

1. Navigate to the "ECU Coding" function after selecting your vehicle.
2. Follow the on-screen instructions carefully. Options include component matching, online coding, and flashing hidden features.
3. Always ensure the vehicle battery is stable and fully charged during coding procedures to prevent module damage.

ECU CODING (Online Coding)

Optimize Vehicle Performance



- Component Matching
- ECU Replacement
- Flash the Hidden Features
- Customize Car OE-settings
- Disable Annoying Functions
- Unlock advanced Features

BI-DIRECTIONAL (Active Test)

Fast Figure Out Faults & Locate Issues



Turn Radiator Fan ON/OFF



Window / Door Lock /
Sunroof / Horn



Injector Buzz Test



Fuel Pump Test

- EVAP Test
- IMRC Test
- Modulate the Throttle
- Wipers/Mirrors Test
- Activate Radiator Shutter
- A/C Compressor Activation
- Activate Transimssion Oil Pump
- Activate Parking Lock Solenoid

Image 3.4: Illustration of ECU coding capabilities, allowing optimization of vehicle performance and customization of settings.

3.3. Bi-Directional Control / Active Tests

This function allows the diagnostic tool to send commands to vehicle systems/components to test their operational status without using the vehicle's controls.

- Select "Active Test" from the diagnostic menu.
- Choose the component you wish to test (e.g., turn radiator fan ON/OFF, test windows/sunroof, activate fuel pump).
- Observe the component's response to diagnose issues.

COVER 99.99% OF GLOBAL VEHICLES, UP TO 200+ CAR BRANDS

Newer Functions and Wider Vehicles, Perfect Choice of Repair Shops

FCA AutoAuth	CAN FD & DOIP	200,000+ Vehicles	NO IP Restrictions
USA FORD LINCOLN GM BUICK CADILLAC CHEVROLET CHRYSLER DODGE JEEP HM More...	Australia AUSTFORD HOLDEN		
Europe BENZ SMART SPRINTER BMW VW SKODA AUDI OPEL LAMBORGHINI PORSCHE More...	Brazil FIAT GM		
Asia DAEWOO SSANYONG HYUNDAI KIA HONDA TOYOTA SCION LEXUS NISSAN Infiniti More...	India TATA MARUTI MAHINDRA INDIA HM		

EXPERT-LEVEL REPAIR ASSISTANCE

Full Tech Support With Reach

 Repair Information	 DTC Google Search	 I/M Instant Messaging
 Automotive Technology	 Online Maintenance Database	 7/24 Online Feedback
 Operating Skills&Repair Case	 DTC Help&Repair Tips	 Remote Diagnosis

NOTE: No limitation to install any third-party apps, like facebook, tiktok, instagram, etc.

Image 3.5: Examples of bi-directional control functions, such as testing radiator fans, windows, and fuel pumps.

3.4. Reset Services (37+ Functions)

The tool supports over 37 hot reset services, including Oil Reset, EPB Reset, DPF Regeneration, SAS Reset, TPMS Reset, IMMO Key Programming, Injector Coding, and more.

- From the main menu, select "Service Function".
- Choose the desired reset or special function.
- Follow the on-screen prompts to complete the procedure.

LAUNCH X431 PRO V5.0

Hardware & Software Comparison

MODEL	X431V PRO 5.0	X431V PRO 4.0	X431 PRO ELITE
VCI	DBScar VII ↗	DBScar IV	Cable Version
CPU	2.0GHz 4-core	2.0GHz 4-core	2.0GHz 4-core
OS	Android 10.0 ↗	Android 9.0	Android 10.0
Screen	8 Inches	8 Inches	8 Inches
Resolution	1920*1200 ↗	1024*800	1024*800
RAM&ROM	4GB+64GB ↗	3GB+32GB	4GB+64GB
Camera	5MP+8MP ↗	2MP+5MP	8MP
Battery	7.6V/6300mAh ↗	3.7V/5000mAh	3.7V/6000mAh
Service Functions	37	37	37
FCA	✓	✓	✓
ADAS	✓	✓	✓
Key Programming	✓	✓	✓
CANFD & DoIP	✓	✗	✓

Image 3.6: A visual representation of the 37+ special functions available, including DPF Regeneration, Fuel Trim Reset, and Key Programming.

3.5. Generating and Sharing Reports

After diagnostics, you can generate detailed reports and share them.

- After completing a diagnostic session, select the "Report" option.
- Reports can be exported as PDF or CSV files.
- Reports can be printed via a Wi-Fi printer or shared via email.



Image 3.7: The diagnostic tool's capability to print diagnostic reports for record-keeping or client sharing.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your LAUNCH X431 V Pro 5.0 Elite.

- **Software Updates:** Regularly check for and install software updates via Wi-Fi. Updates provide new vehicle coverage, bug fixes, and improved functionalities.
- **Cleaning:** Use a soft, damp cloth to clean the tablet screen and body. Avoid abrasive cleaners or solvents. Keep the VCI connector free from dirt and debris.
- **Storage:** Store the device in its protective case in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Charge it regularly, even if not in constant use.
- **Cable and Adapter Inspection:** Periodically inspect all cables and adapters for signs of wear or damage. Replace any damaged components immediately.

5. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Device does not power on.	Low battery; faulty charger/cable.	Charge the device for at least 30 minutes. Try a different charger/cable.
Cannot connect to vehicle.	VCI not connected; Bluetooth off; ignition off; incompatible vehicle.	Ensure VCI is securely connected to OBD-II port. Verify Bluetooth is enabled and VCI is paired. Turn ignition ON. Check vehicle compatibility.
Software update fails.	Poor Wi-Fi connection; insufficient storage.	Ensure a stable Wi-Fi connection. Clear some storage space if needed. Restart the update process.
Diagnostic functions not working.	Outdated software; incorrect vehicle selection; VCI communication issue.	Perform a software update. Re-select vehicle. Check VCI connection and pairing. Restart the tablet and VCI.

6. PRODUCT SPECIFICATIONS

Key technical specifications for the LAUNCH X431 V Pro 5.0 Elite.

Feature	Detail
Brand	LAUNCH
Model Number	V
Operating System	Android 10
Screen Size	8 Inches
Screen Resolution	1920*1200
Memory (RAM + ROM)	4GB + 64GB (expandable to 128GB)
Camera	8-megapixel
Battery Capacity	7.6V/6300mAh
Connectivity	2.4Ghz/5Ghz Wi-Fi, Bluetooth
Power Source	Battery Powered
Weight	5 Kilograms
UPC	709998238609

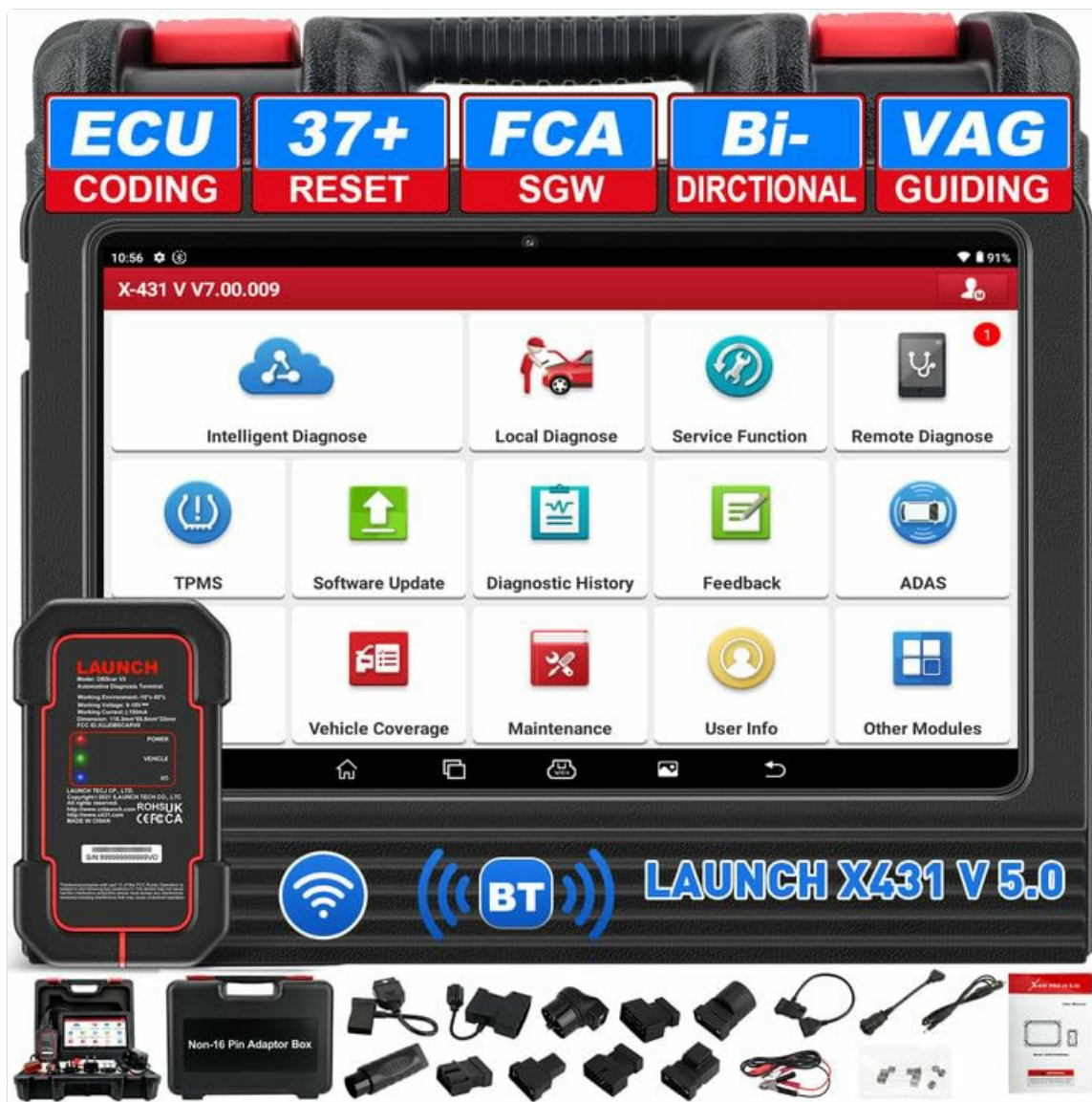


Image 6.1: Hardware and software comparison highlighting the specifications of the LAUNCH X431 V Pro 5.0.

7. WARRANTY INFORMATION

LAUNCH products typically come with a manufacturer's warranty covering defects in materials and workmanship. The specific warranty period and terms may vary by region and retailer. Please refer to your purchase documentation or contact your seller for detailed warranty information.

The device includes 2 years of free software updates from the date of activation.

8. CUSTOMER SUPPORT

For technical assistance, product inquiries, or troubleshooting beyond this manual, please contact LAUNCH customer support or your authorized dealer.

- **Online Resources:** Visit the official LAUNCH website for FAQs, software downloads, and additional support materials.
- **Remote Diagnosis:** The device supports remote diagnosis, allowing technical support to assist you directly.
- **Contact Seller:** For purchase-related issues or specific warranty claims, contact the seller (Ediag) directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B07RY6W58R>

More documents and user manuals: <https://manuals.plus/>